DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
ANTILLES OFFICE
400 FERNANDEZ JUNCOS AVENUE
SAN JUAN, PUERTO RICO 00901-3299

REPLY TO
ATTENTION OF

Antilles Regulatory Section

June 17, 2009

PUBLIC NOTICE

Permit Application No. SAJ-2003-02317(IP-CGR)

TO WHOM IT MAY CONCERN: This district has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403) as described below:

APPLICANT: Puerto Rico Ports Authority
P.O. Box 362829
San Juan, Puerto Rico 00936-2829

WATERWAY & LOCATION: The project is located at the San Juan Bay, Municipality of Cataño, Puerto Rico.

Directions to the site are as follows: Expressway PR-22 from San Juan to Bayamón, exit at state road PR-165 toward Cataño, and turn right at road #888 (Las Nereidas Avenue).

LATITUDE & LONGITUDE: Latitude 17°26'44.20" North
Longitude 66°07'01.97." West

PROJECT PURPOSE:

Basic: Docking facilities

Overall: To replace the existing ferryboat terminal dock in order to provide a safe docking facility for public transportation between the Cataño, Old San Juan and Hato Rey.

BACKGROUND: This project was authorized by a Department of the Army permit on February 25, 2004. However, it was not built within the time limit established by the permit. The permit expired on February 6, 2009.

PROPOSED WORK: The applicant proposes the construction of a ferryboat terminal of 240 feet long by 311 feet wide at its widest dimension on concrete pile foundations, covering an area of approximately 2,948.9 square meters; the construction of a 311 feet with 8 inches long concrete bulkhead to replace a portion of the existing rip-rap wall; the discharge of fill material (227.02 cubic yards of compacted granular backfill) on

approximately 278.71 square meters on waters of the U.S. between the new bulkhead and the existing rip-rap wall; the placement of two floating boarding decks with these dimensions each: 20 feet by 20 feet with an sliding ramp of 20 feet long by 4 feet wide; the installation of a total of eight anchorage piles at the sides of the propose floating decks; the installation of 7 fenders on piles at the sides of the proposed pier ferryboat terminal and the dredging of approximately 5,642 square meters on the marine bottom located at the east side of the existing terminal and approximately 1,794 square meters in the area below the existing terminal once demolition is completed. A total of 15,530 cubic yards of dredged material would be dredged from the bottom of the bay in order to provide the desire depth of 10 feet to allow the navigation of the vessels that use this terminal. A clamp shell type dredge would be used in this project. The dredged material will be discharged in a contained upland area at the right side of the existing parking and the surplus of water will be pumped back to the bay. The remaining dredged material will be transported to the Toa Alta Regional Landfill for final disposal or in other upland/private landfill disposal site previously approved by the Environmental Quality Board. The facilities planned at the proposed ferryboat terminal dock are four commercial or concessions areas, a light mechanical ferryboats inspection/repair area, two passengers waiting areas and other facilities such as bathrooms, utility room service and storage, employee lounge, lockers, and an office. The existing ferryboat terminal will be demolished and the debris that would result from the demolition will be discharged in an approved upland disposal site.

Avoidance and Minimization Information: The reconstruction of the existing ferryboat terminal dock was considered by the applicant but it was discarded because the structural condition of the existing dock is damaged beyond repair and a new structure is less expensive and safe than a repair. The construction of the ferryboat terminal dock by the installation of piles and floating decks instead of a discharge of fill material minimizes the impacts over the aquatic environment. In addition, the proposed site is close to an area already used for port activities, which minimizes the impacts over the aquatic environment.

Compensatory Mitigation: The applicant has provided the following explanation why compensatory mitigation should not be required: The proposed project is located in the San Juan Bay, which has been used and impacted for years by ports development and no significant impact to the aquatic resources is expected and therefore, no compensatory mitigation should be required.

EXISTING CONDITIONS: A ferry boat terminal dock exists at the west side of the proposed project, which is actually in use. This dock provides public transportation

between the municipalities of Cataño and San Juan. It dates back to 1960's and is in very deteriorated structural condition. A rip-rap wall also exists along the shoreline of the proposed project site. The existing depth varies from 5 feet to 10 feet.

ENDANGERED SPECIES: The U.S. Army Corps of Engineers has determined the proposal would have no effect on any listed threatened or endangered species or designated critical habitat. In 2003, the US Fish and Wildlife Service informed that there are no records of any threatened or endangered species from the project area.

ESSENTIAL FISH HABITAT (EFH): This notice initiates consultation with the National Marine Fisheries Service on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act 1996. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries in this area. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

CULTURAL RESOURCES: By letter dated October 6, 2003, the State Historic Preservation Office determined that no historic properties would be affected by this project.

NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program.

AUTHORIZATION FROM OTHER AGENCIES: A Water Quality Certification and a Coastal Zone Management Consistency Certification may be required from the Environmental Quality Board and the Puerto Rico Planning Board, respectively.

Comments regarding the application should be submitted in writing to the District Engineer at the above address within 21 days from the date of this notice.

If you have any questions concerning this application, you may contact Miss Carmen G. Román at the letterhead address, by electronic mail at carmen.g.roman@usace.army.mil, by fax at 787-729-6906, or by telephone at 787-729-6905.

The decision whether to issue or deny this permit application will be based on the information received from this public notice and the evaluation of the probable impact to the associated wetlands. This is based on an analysis of the applicant's avoidance and minimization efforts for the project, as well as the compensatory mitigation proposed.

IMPACT ON NATURAL RESOURCES: Preliminary review of this application indicates that an Environmental Impact Statement will not be required. Coordination with US Fish and Wildlife Service, Environmental Protection Agency (EPA), the National Marine Fisheries Services, and other Federal, State, and local agencies , environmental groups, and concerned citizens generally yields pertinent environmental information that is instrumental in determining the impact the proposed action will have on the natural resources of the area. By means of this notice, we are soliciting comments on the potential effects of the project on threatened or endangered species or their habitat.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impacts including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the EPA Administrator, under authority of Section 404(b) of the Clean Water Act, and by the criteria established under authority of Section 102(a) of the Marine, Protection, Research, and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

The Regulatory Section of the US Army Corps of Engineers (Corps) Antilles Office is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make or deny this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act, and in the development of a Statement of Findings. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

COASTAL ZONE MANAGEMENT CONSISTENCY: In Puerto Rico, a Coastal Zone Management Consistency Concurrence is required from the Puerto Rico Planning Board. In the Virgin Islands, the Department of Planning and Natural Resources permit constitutes compliance with approved Coastal Zone Management Plan.

REQUEST FOR PUBLIC HEARING: Any person may request a public hearing. The request must be submitted in writing to the District Engineer within the designated comment period of the notice and must state the specific reasons for requesting the public hearing.

David S. Hobbie
Regulatory Division

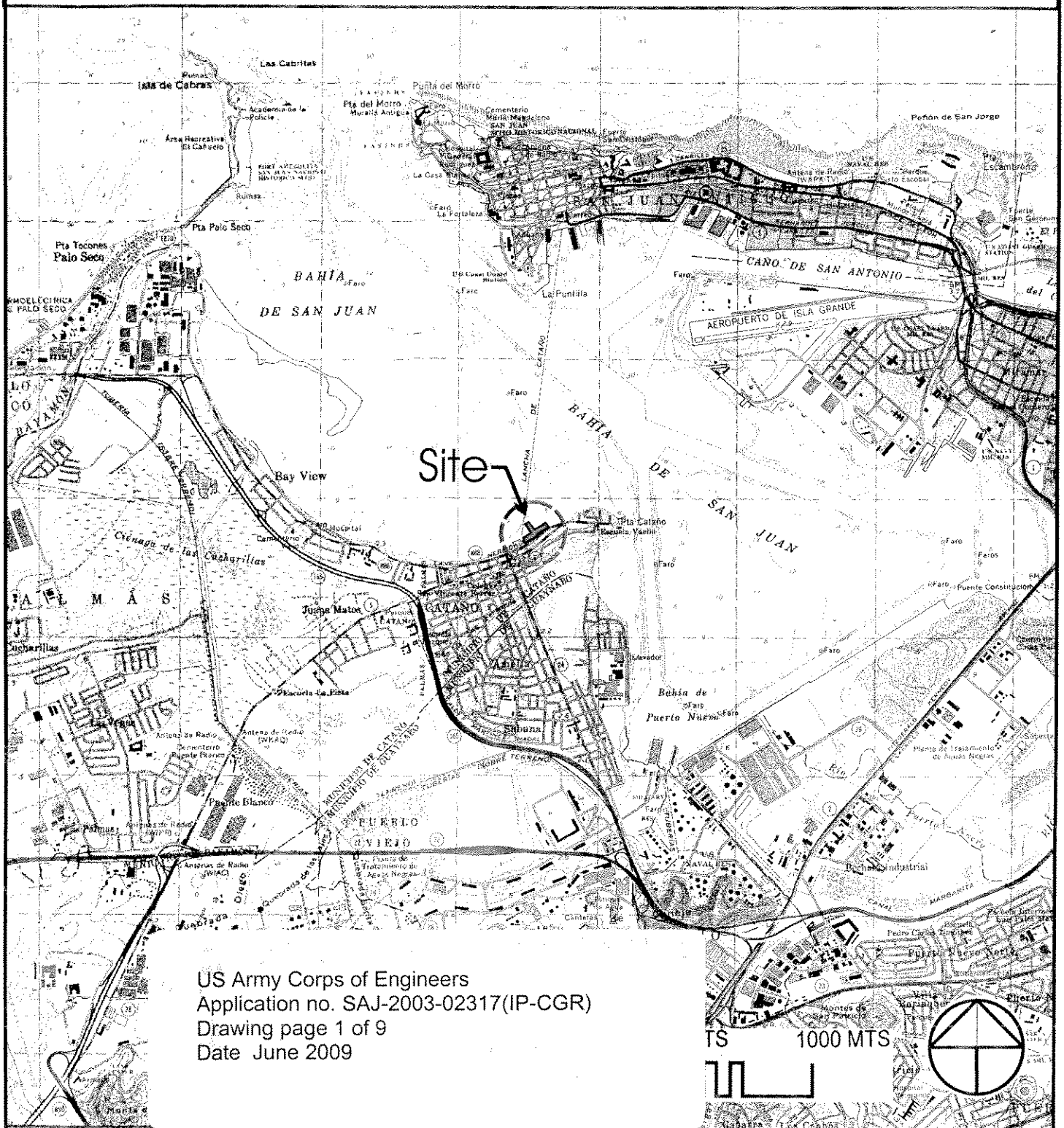
SAN JUAN QUADRANGLE TOPOGRAPHIC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF PUERTO RICO
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

SAN JUAN, P.R.
N1822.5-W6600/7.5
1969
PHOTOREVISED 1982

SCALE - 1 : 40,000
LAMBERT COORDINATES:
X: 181,000 MTS.
Y: 67,733 MTS

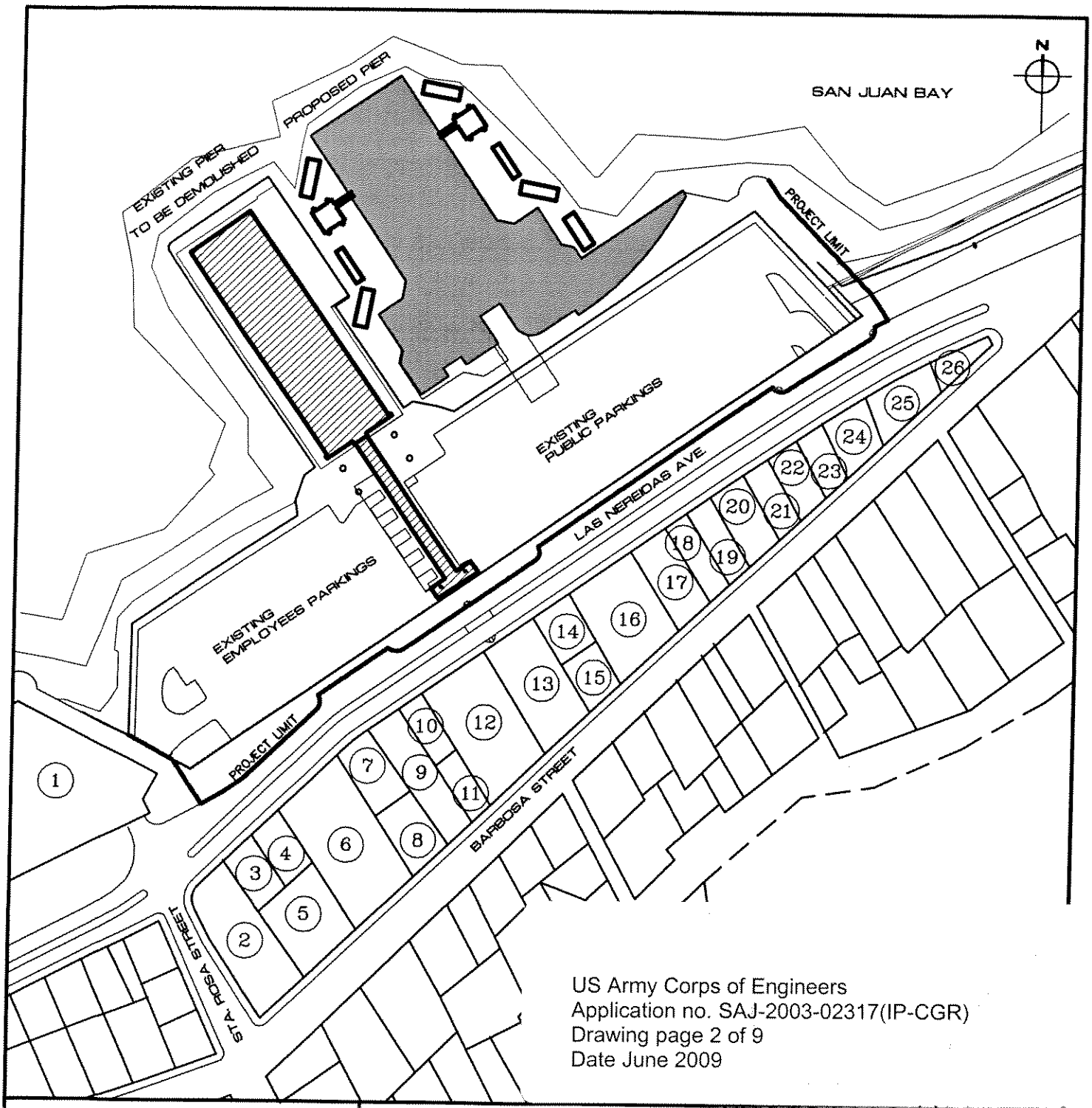


US Army Corps of Engineers
Application no. SAJ-2003-02317(IP-CGR)
Drawing page 1 of 9
Date June 2009

COMMONWEALTH OF PUERTO RICO
PORTS AUTHORITY
ENGINEERING DEPARTMENT SAN JUAN PUERTO RICO

NEW PASSENGER
FERRY BOAT TERMINAL
NEREIDAS AVE. , CATANO , PUERTO RICO

ramos & ramos associates
architects
329 americo miranda ave., jardines metropolitanos, rio piedras, puerto rico, 00927
tel. (787) 753-9013 fax. (787) 753-9014



US Army Corps of Engineers
Application no. SAJ-2003-02317(IP-CGR)
Drawing page 2 of 9
Date June 2009

PROPOSED: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATING TERMINAL
2. RESIDENTIAL AREA (SEE ADDENDUM A)
3.

ADJACENT LOTS

25 0 25 50

PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

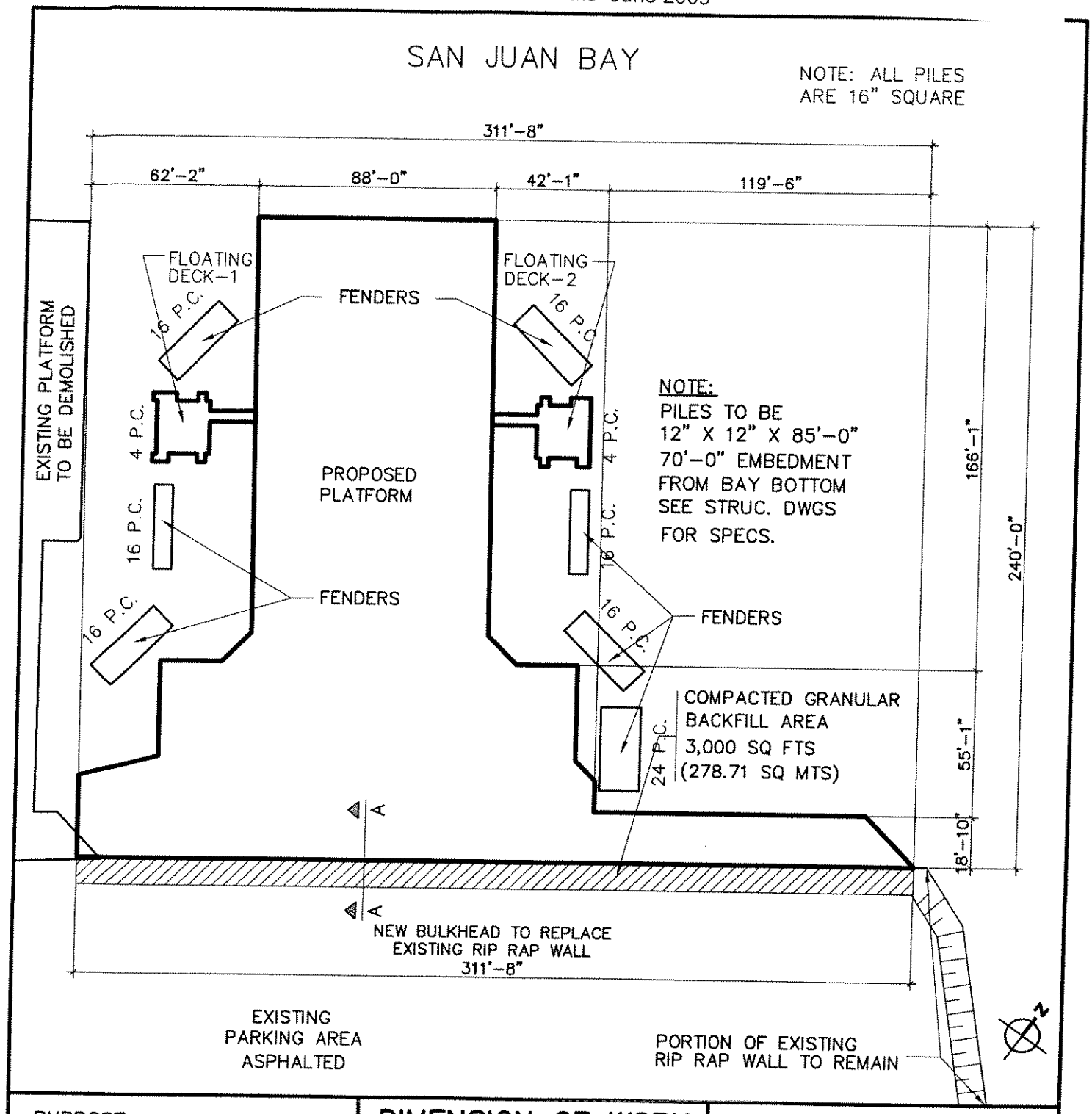
PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL – ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 6 OF 17 DATE: FEB. 10, 2003

US Army Corps of Engineers
Application no. SAJ-2003-02317(IP-CGR)
Drawing page 3 of 9
Date June 2009



PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATION TERMINAL
2. RESIDENCIAL AREA (SEE ADDENDUM A)
3.

DIMENSION OF WORK

10 0 10 20

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

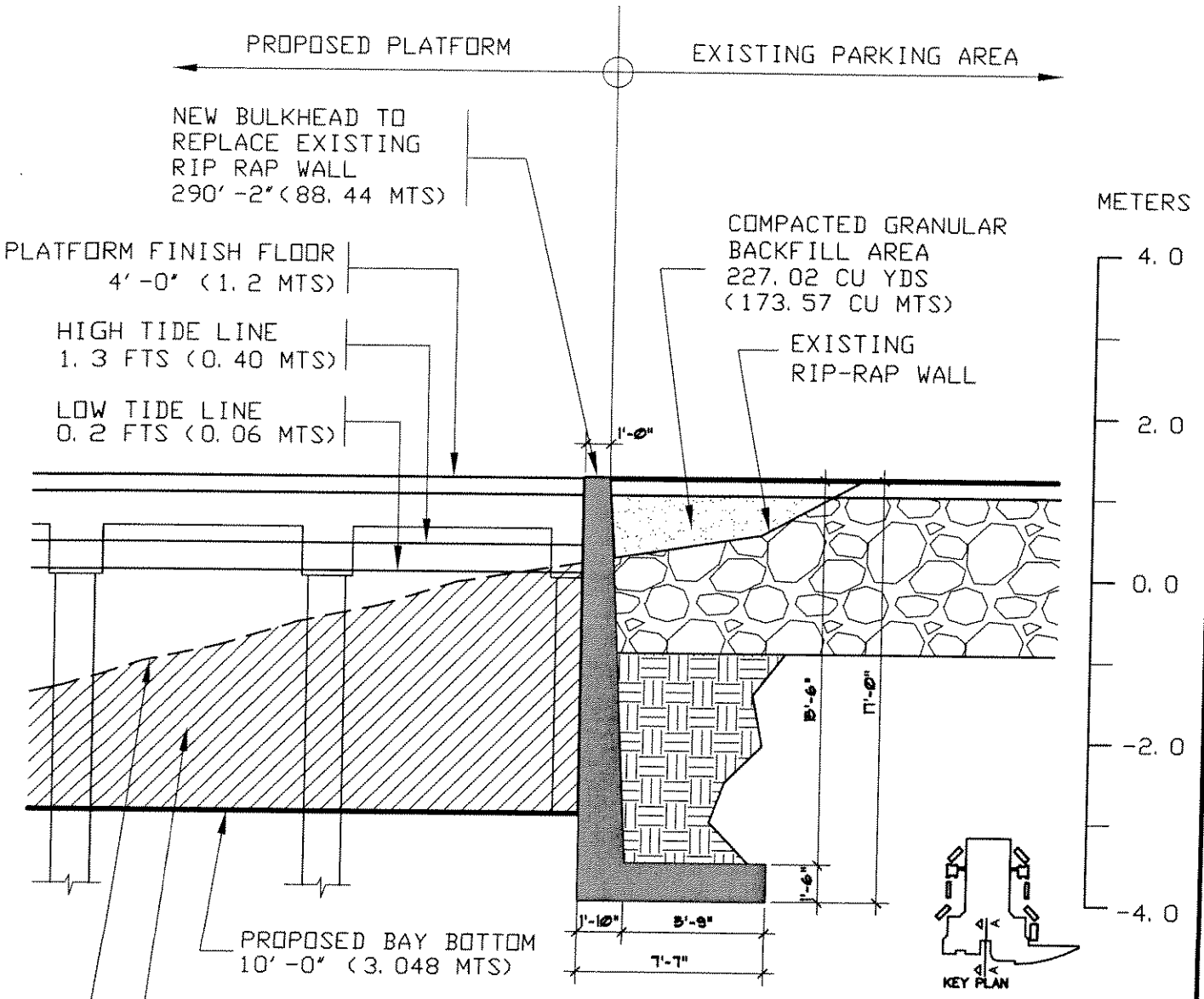
PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL – ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 9 OF 17 **DATE:** FEB. 10, 2003

US Army Corps of Engineers
Application no. SAJ-2003-02317(IP-CGR)
Drawing page 4 of 9
Date June 2009



NOTE

HYDROGRAPHY OF BOTTOM OF BAY TAKEN FROM PLANS PREPARED BY SERGIO A. MORALES MARRERO REGISTERED LAND SURVEYOR (LICE. # 8040) PREPARED IN JULY 23, 2002

PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATION TERMINAL
2. RESIDENCIAL AREA (SEE ADDENDUM A)
3.

BULKHEAD SECTION

1 0 1 2 3

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

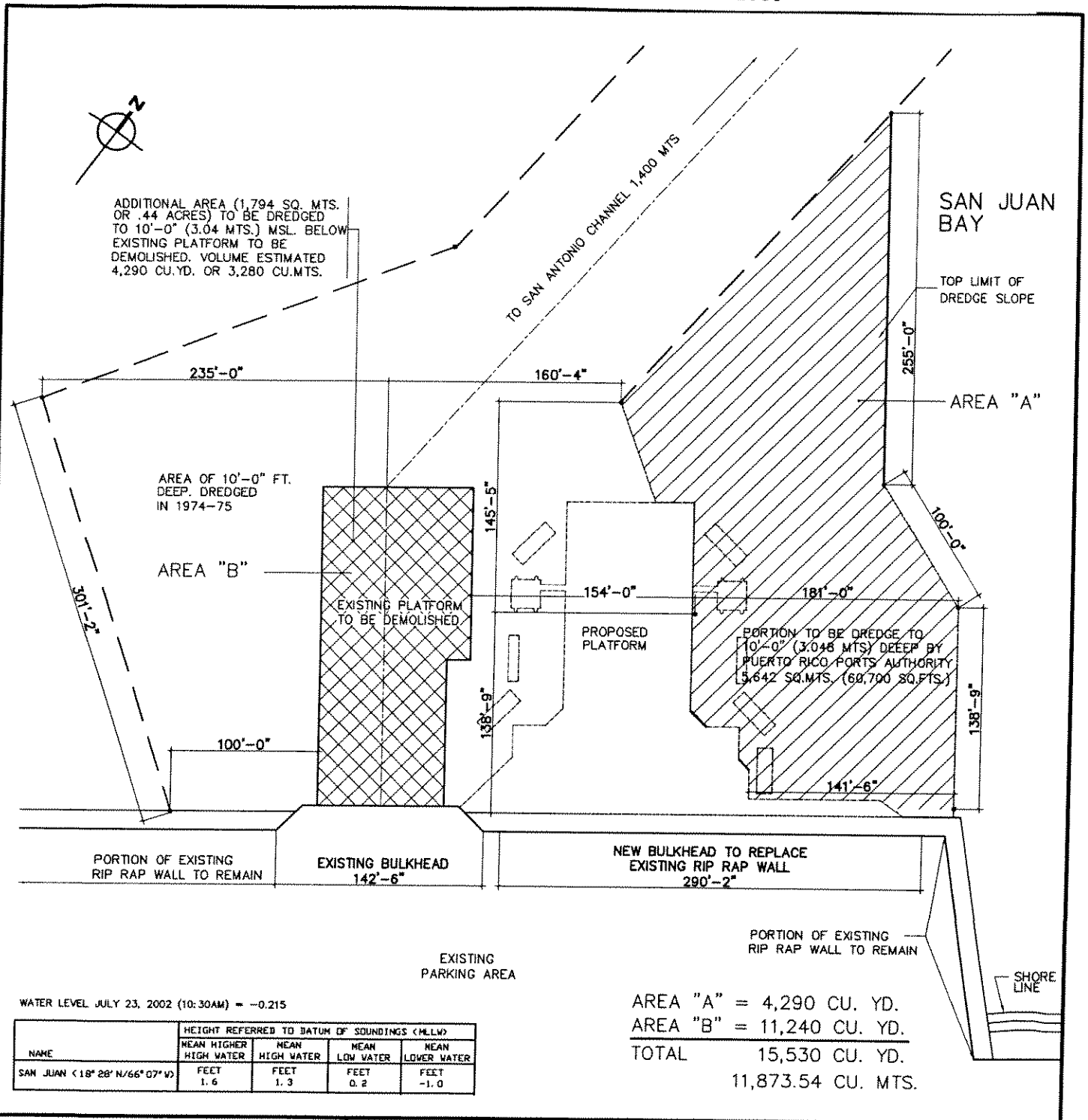
PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL – ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 10 OF 17 DATE: FEB. 10, 2003



WATER LEVEL JULY 23, 2002 (10:30AM) = -0.215

NAME	HEIGHT REFERRED TO DATUM OF SOUNDINGS (MLLW)			
	MEAN HIGHER HIGH WATER	MEAN HIGH WATER	MEAN LOW WATER	MEAN LOWER WATER
SAN JUAN (18° 28' N/66° 07' W)	FEET 1.6	FEET 1.3	FEET 0.2	FEET -1.0

AREA "A" = 4,290 CU. YD.
AREA "B" = 11,240 CU. YD.
TOTAL 15,530 CU. YD.
11,873.54 CU. MTS.

PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATION TERMINAL
2. RESIDENCIAL AREA (SEE ADDENDUM A)
3.

DREDGE AREA

10 0 10 20 30 40

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL - ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

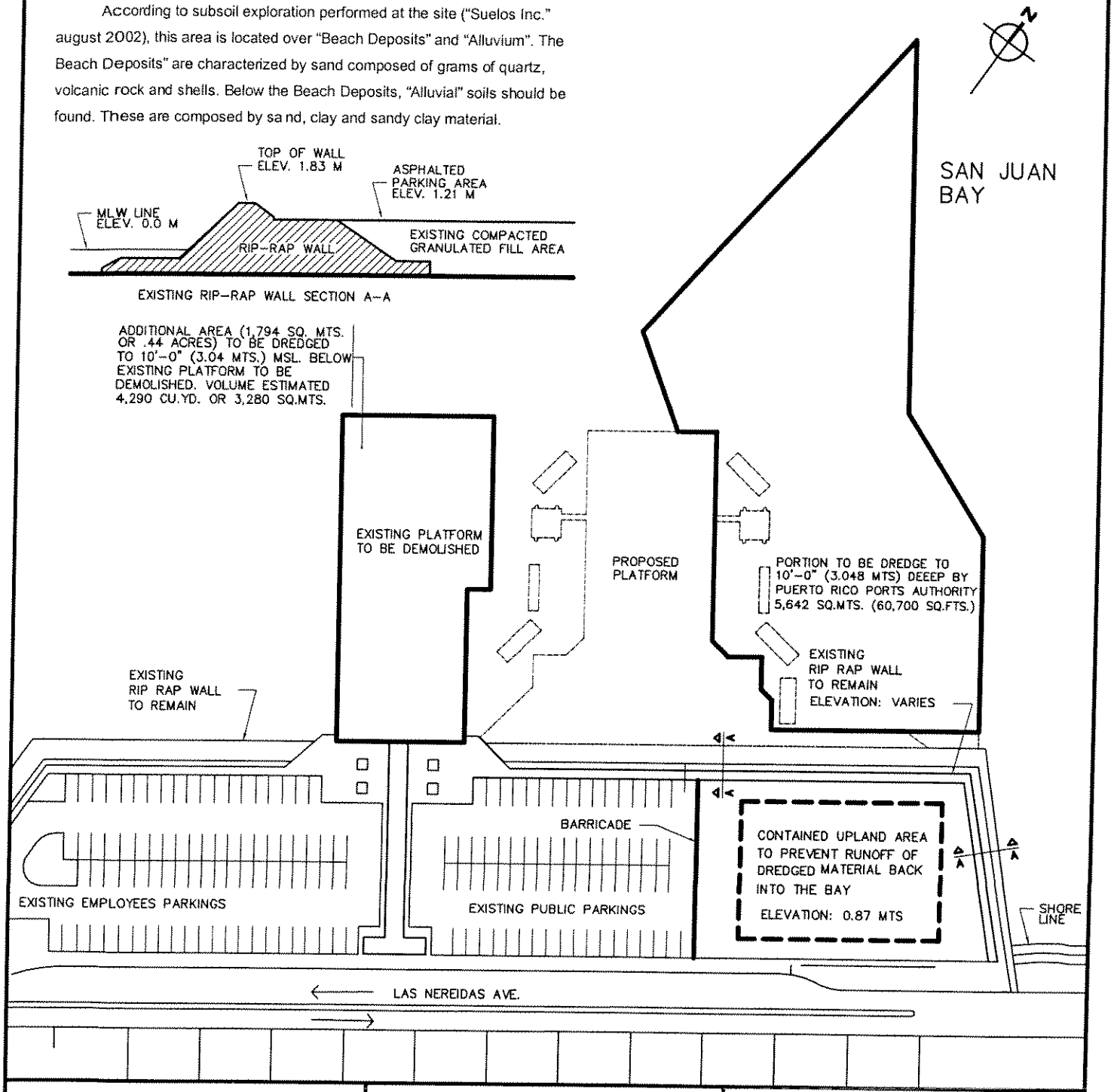
APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 12 OF 17 DATE: FEB. 10, 2003

DREDGE MATREIAL COMPOSITION

According to subsoil exploration performed at the site ("Suelos Inc." august 2002), this area is located over "Beach Deposits" and "Alluvium". The Beach Deposits" are characterized by sand composed of grams of quartz, volcanic rock and shells. Below the Beach Deposits, "Alluvial" soils should be found. These are composed by sa nd, clay and sandy clay material.

EXISTING RIP-RAP WALL SECTION A-A



PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATION TERMINAL
2. RESIDENCIAL AREA (SEE ADDENDUM A)
3.

DREDGE MATERIALS

10 0 10 20 30 40

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL - ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 13 OF 17 DATE: FEB. 10, 2003

UNIFLOAT CONCRETE FLOATING DOCK SYSTEM

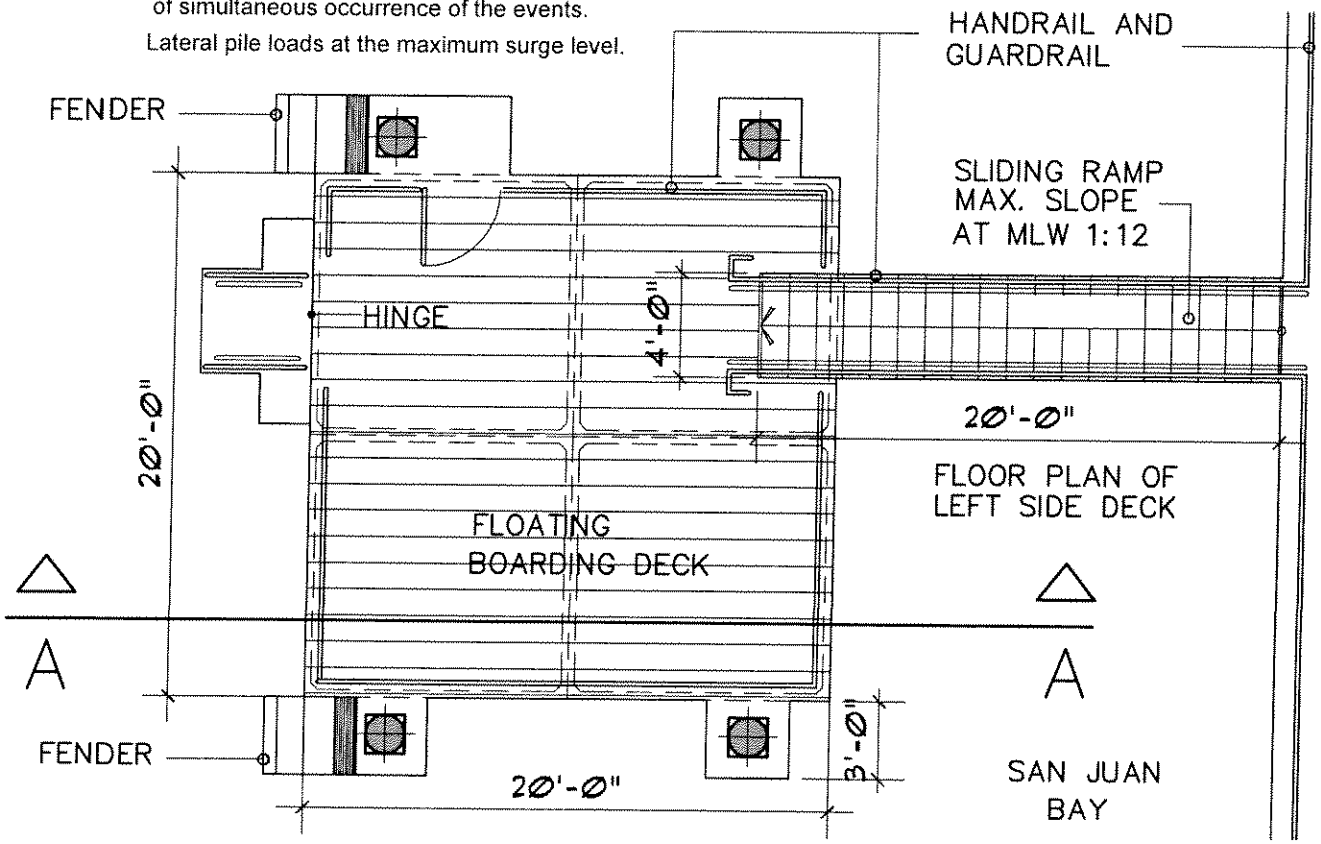
- live load of fifty (50) pounds per square foot of deck area
- Individual float modules must not be longer or wider than twelve (12) feet.

Float and anchorage systems shall be designed for the following load cases as a minimum:

- Wind pressure of 15 PSF (77 MPH fastest mile wind at 33 feet standard elevation, Exposure C, per ASCE 7-93) acting on the projected area of all docks and moored vessels assuming full occupancy of the marina.
- Minimum current pressure of 2.4 PSF (2 feet per second current velocity) acting on the projected area of all docks and moored vessels assuming occupancy levels will reflect those expected during the flood season.
- Vertical wave loads, as they exist at the specific site.
- Lateral wave loads for waves having a significant wave heights exceeding one foot if they are expected to occur at the specific site.
- Load cases should be combined based upon the probability of simultaneous occurrence of the events.

Lateral pile loads at the maximum surge level.

TWO (2) FLOATING
BOARDING DECK
AREA: 400 SQ FTS
37.16 SQ MTS
TOTAL AREA: 800 SQ FTS
74.32 SQ MTS



PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATION TERMINAL
2. RESIDENCIAL AREA (SEE ADDENDUM A)
3.

FLOATING DECKS

5 0 5 10

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

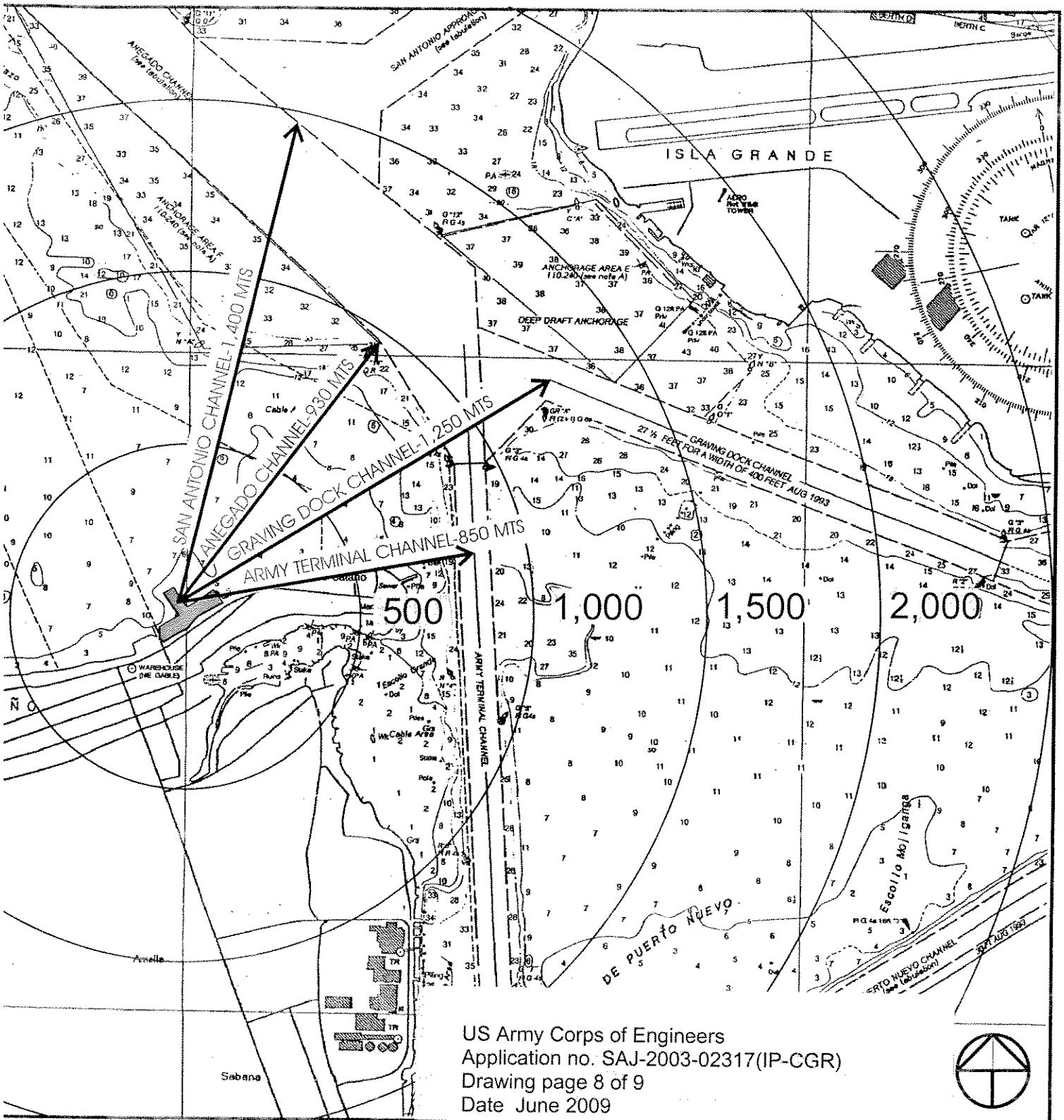
PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL – ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 14 OF 17 DATE: FEB. 10, 2003



US Army Corps of Engineers
Application no. SAJ-2003-02317(IP-CGR)
Drawing page 8 of 9
Date June 2009

PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
. PUBLIC TRANSPORTATION TERMINAL
. RESIDENCIAL AREA (SEE ADDENDUM A)

NAVIGATION CHANNELS

0 100 200 300 400 600

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

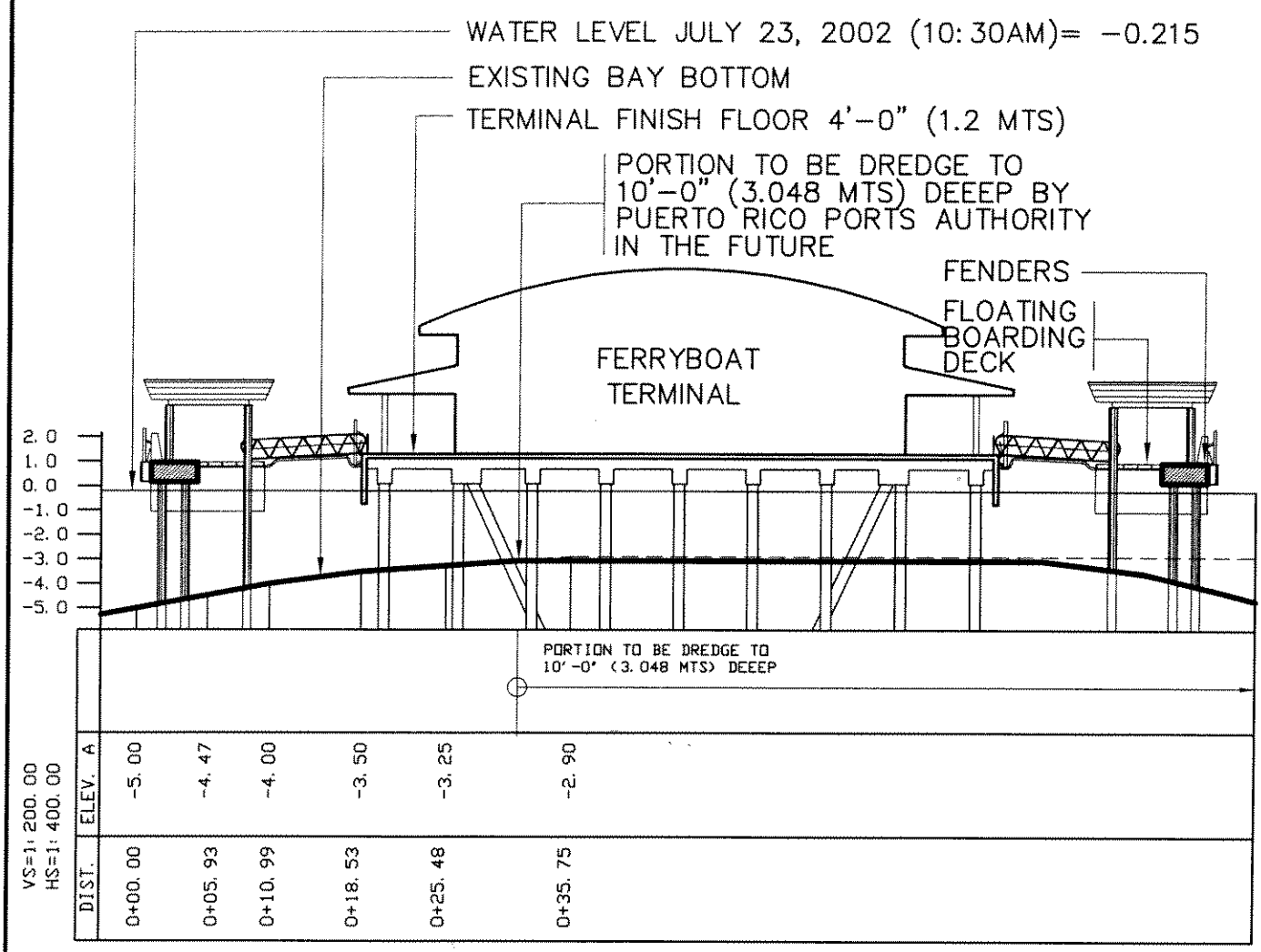
PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL - ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 4 OF 17 **DATE:** FEB. 10, 2003

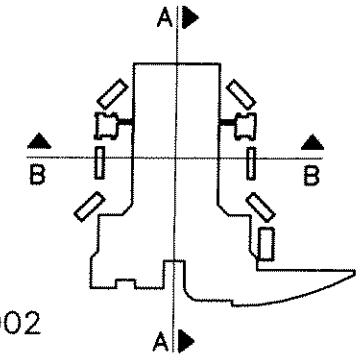
US Army Corps of Engineers
Application no. SAJ-2003-02317(IP-CGR)
Drawing page 9 of 9
Date June 2009



NOTE: ALL MEASUREMENTS IN METERS

NAME	HEIGHT REFERRED TO DATUM OF SOUNDINGS (MLLW)			
	MEAN HIGHER HIGH WATER	MEAN HIGH WATER	MEAN LOW WATER	MEAN LOWER WATER
SAN JUAN (18° 28' N/66° 07' W)	FEET 1.6	FEET 1.3	FEET 0.2	FEET -1.0

NOTE
HYDROGRAPHY OF BOTTOM OF BAY TAKEN FROM PLANS PREPARED BY SERGIO A. MORALES MARRERO REGISTERED LAND SURVEYOR (LICE. # 8040) PREPARED IN JULY 23, 2002



KEY PLAN

PURPOSE: NEW TERMINAL TO REPLACE THE EXISTING TO PROVIDE A BETTER PUBLIC SERVICE.

ADJACENT PROPERTY OWNERS:
1. PUBLIC TRANSPORTATION TERMINAL
2. RESIDENCIAL AREA (SEE ADDENDUM A)
3.

SECTION B-B

5 0 5 10

LAMBERT COORDINATES: X: 181,000 MTS.
Y: 67,773 MTS.

PUERTO RICO PORTS AUTHORITY
DEPARTMENT OF PLANNING, ENGINEERING & CONSTRUCTION
PO BOX 362829, SAN JUAN, PR 00936-2829

PROPOSED: NEW PASSENGER FERRY FERRY BOAT TERMINAL - ACUAEXPRESO

AT: SAN JUAN BAY MUNICIPALLY OF CATAÑO, PUERTO RICO

APPLICATION BY:
ARCH. JORGE A. RAMOS ORTEGA, NCARB
RAMOS & RAMOS ASSOCIATES

SHEET: 17 OF 17 DATE: FEB. 10, 2003